



No. 704

**'Copymate'**  
**RECORD**  
**BOOK**

**50 leaves in Duplicate**

**NUMBERED**

**NO CARBON PAPER REQUIRED**

Collection No. 217

24. II. - 1. III. 1986

K.H.L. Key

01  
Wifong, Moravia,  
Tamworth, Port  
Macquarie, Wifong  
N.S.W.

24/2

11/723.1 Wifong. Proceeded north on highway.

737.7. Turned right on Pacific Highway.

753.9. Clear S from Angophora costata on  
*Rapicilla fusca*  
gentle undulations. Mixed grasses 9 in

to 2 ft. with some Plantago. *Aerida*, *Colidia*  
*Phaul. nitt.*

737.3. Major cross-roads.

753.4. Hilly country with dense Angophora  
*Heide amicul.*

costata, *E. gymnantha*, *E. microantha*, & *E.*

*perpetua*, to 60 ft. with Casuarina? & *Hovea*  
*aculeata*

*Pantorrhoea* sp., various shrubs (*Persea*

2 spp., *Daviesia*, *Podansea*, etc.) & fairly

abundant grasses (*Poa*, *Themba* & others)

to 1-2 ft.

756.1. Road off to Catherine Hill Bay on  
right.

763.0. Swansea.

769.8. Belmont.

740.3 Charliston.

800.2<sup>+</sup> Bridge. Buzz Hummer L at Hexham.

809.0 Raymond Terrace.

811.3 Turned right for Medowie.

813.0 Road off to right.

822.4 Turned left.

826.1 Medowie. <sup>Road off to</sup> ~~right~~ left.

827.8 Return.

829.5 Medowie. Turned right.

[Note: Few grasshoppers of any species were seen on this day, & no Proscabulus, although a number of stops was made between Ulyung & Raymond Terrace & in the vicinity of Medowie. That place has expanded greatly since my previous visit.]

25/2

858.3 Hexham. Took Maitland road.

868.5 Gentle slope. *E. maculata*, a stinging  
*Heideamiculi*, *Pseudura mesograci*,  
+ an unknown to 70 ft. *Thermoda australis*  
*Monistria discrepans*, *Macrotoma nybergi*  
+ a fine grass, both to 3 ft. dense +

slightly more open. Occ. shrubs to 2 ft.,  
occ. patches of *Goodenia* spp. (2-). No Pras  
975.8 Maithland Railway Sta.

980.6 Cranston.

904.3. Moderate hill slope, with grey-brown  
*Macrotoma squariformis*, *M. modesta*, *Apobryonia*  
compact soil. *E. crebra*, *E. maculata*, &  
*bicarinata*, *Trogzattina australis*, *Caledia captiva*  
a ribbon-barked gum (predominant) to 70 ft.

Fairly dense grass of various species to  
2 ft., with *Helichrysum spicatum*. An  
exposed area of flat rock, where grasses  
sparse & low. Much *Chaetanthus*.

*Heteropterus*, *Keyaeria nymphaea* on  
*Helichrysum*.

907.7 Belford.

912.4. Turned left for Benmore.

922.8. Turned left.

923.8. Road off to left (to Dawson's mine).

926.6. Paddy road off to left.

934.0. Summit of ~~gentle~~ well rounded  
*Macrotoma squariformis*, *M. modesta*, *Keyaeria*  
rise. Large soil. *E. crebra* to 20 ft &  
*marida*  
*Casuarina* sp. (slender, upright) to 20 ft.

dense. Grasses, largely *Aristida* sp., to 2 ft.  
fairly dense, *Helichrysum* abundant (Kyaam  
on this), *Acacia* sp. to 3 ft (triangular, spines  
phyllodes), *Cheilanthes* - Acrida, H. proft.

*Austracris proxima*.

936.5. Road off to left to Bulga. Warkworth.

952.9. Gerry's Plains.

961.9. Hillside with brown self-nutrient  
soil. Probably originally heifers, <sup>(A. stenophylla?)</sup> ~~spread~~  
for a <sup>spreading</sup> ~~pro~~ - phyllode *Acacia* sp. to 15 ft.  
<sup>patchily</sup>  
*Stipa* + *Dichanthium* of <sup>various</sup> height.  
*Bermis brachycerus*  
*Bermis* in tall grass in talus drain  
under the acacia. Acrida.

963.6 Road off to the wellbrook on right.

969.8. Track off to left. Gentle slope with  
*Macrotond scariosa*, *M. modesta*,  
red-brown slightly self-nutrient soil at base  
*Laxatilla smaragdula*  
of hill to north. Very widely spaced  
*Casuarina buxmannii* to 25 ft. Mucos  
height *Dichanthium*, *Sporobolus*, *Stipa*,  
*Aristida* 1-2 ft. with saffron thistle & some  
forbs. Acrida, H. proft.

973.7. Dorman Gap.

979.2. Turned left.

983.3. Dorman.

112000.4. Sandy Hollow.

011.5. Gungah.

028.5. Slight rise over the red-brown basaltic  
*Brachyescama lobipennis*, *Phaulacridium*  
 slightly stony soil, *E. ciber*, to 50 ft.  
*Urtica*, *Bermis brachyellus*  
 widely spaced. Mixed grasses & forbs, main

*Stipa* spp. 1-3 ft. The presence of *Phaula*,  
*Urtica* & *Brachyescama* (for the first  
 time today), combined with the habitat  
 features suggests Prax. maybe present  
 hereabouts]

036.0. Merrivale.

036.8. Merrivale depart.

037.3. El Dorado motel. Return.

058.2. Return.

26/2.

081.14. Merrivale depart.

088.4. Terragong.

102.5. Top of rise with chocolate



self-mulching soil & basalt stones, *E. alba*,  
*Lasiacantha smaragdina* (j.)  
 Sav. woodland. Grasses 1-2 ft, *Didantherum*  
 & *Stipa* & *Artemisia*.

103.5 Road off to left.

104.1 Road off to right to Bales Creek.

105.2

~~105.2~~ Coolie HS.

121.3 Redmansiding Lodge.

122.4 Steep slope with self-mulching  
*Praxibulus pallens*, *P. latissima*, *Goniata*  
 chrysocoma soil & scattered basalt rocks.  
*E. australasica*, *Lasiacantha smaragdina*  
*E. melliodora* fairly dense & occ. *E.*

*bridgiana* (?) to 50 ft, *Casuarina* sp.

dense in places to 3 ft. Dense grass,

often collapsed, to 18 in (= *Ranthouia* sp.).

124.2 35-Km signpost to Mulline Tree.

124.5 Summit of Liverpool La., 747 m.

*Praxibulus latissima*, *P. pallens*, *Goniata*  
 chrysocoma soil & some basalt rocks. *E.*  
*australasica*, *Phaulacanthium vittatum*  
*melliodora*, a stringybark, occ. *Argophora*

*intermedia* & other succ. Grass tussocks

to 3 ft interspersed with lower grass &

forbs. (No *Didantherum*, *Stipa*, or *Themeda*.)

125.9 Rounded treeless ridge W

same soil as last & margined by a  
*Prasichalus pallidus*, *Laxabilla swaragdana*,  
*Dodonaea*? to 7ft. Grass more uniform  
*Calidia capitiwa*  
 to 1ft, with forbs. Instr.

131.8 Millers Creek H.S.

140.1 Road off to left to Blackville.

141.7. Flat with self-mulching red-brown  
*Macrotona securiformis*, *Tipuna crassa*.  
 soil. *E. woodsiensis* (?) to 60 ft thinned.

Arida, Froggattia, Phaul. with. Spaced  
 coarse grass tussocks to 3ft, some forbs.

144.3 Road off to right.

150.4 Turned left into New England  
 Highway.

161.0 Willow Tree.

174.7 - Road off to Woodston on right.

177.0 Ridge with purple sandy loam.  
*Prasichalus*, *Trigonostema*, *Goniata vocans*  
*E. albina* to 50ft. There is a dense to  
 3ft, & on other side of road, in grazed  
 horse paddock, with patchy grass of  
 other species to 1ft. Grass in latter.

Arida, Del.

180.3 Wallabodah.



186.8 Road off to Mundle on right.

190.0 Road off to Gaspar on left.

193.7 Summit of large ridge. Gully with  
*Prasichulus* spp. (2) <sup>white</sup>  
green grass to 1 ft. Pale brown soil. E.  
albers saw woodland.

200.7 Road off to Mundle on right.

217.2 Road off to Dur on left.

271/2.

243.8 Tame worth past.

250.6 Remington.

265.8 Mound.

274.9 Lakeys Ck. Granite

278.0 Shallow watercourse with  
*Prasichulus exsculptus* Granite  
grass grazed down by cattle.  
Cleared from 200 yds to 80 ft. South.

280.6 Rose Valley Ck.

285.0 Bendemeer.

286.0 Turned right for Wolcha.

308.7 ~~Shallow~~ Shallow creek margins in  
*Prasichulus exsculptus*  
undulating granite country. Trellers.  
but *E. vivianae* is nearly.

Grazed mixed tussocky grasses to 1 ft.

311.6 Road off to Woodbrook on right.

315.8 Road off to Kiangala on right.

317.5 W. Lcha Road.

337.2 Walcha.

356.2 ~~From~~ Road off to Mzaley Falls on left.

356.4 Shallow creek margin on hilly  
*Praxibulus exsculptus*  
country. Pale brown soil. Not granitic.

Derived from *E. viminalis* & a strong  
mixed grasses, incl. *Themeda*, 1-2 ft.

*Prax.* very numerous.

373.4 Road off to Tia on right.

377.2 Hilly country, with shallow

*Praxibulus exsculptus*  
gutter bearing mixed grasses 1-2 ft  
along margins. *E. viminalis* & a rough  
barked tree with very small oval leaves  
both to 50 ft. Reddish soil.

[*Phoradendron* not identified]

373.2 Road off to left to Kangaroo Flat

*Praxibulus exsculptus*  
& *Chamaecrista* Not. Park. Depression in  
undulating country on basalt.



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brown soil. Undergrowth cleared from  
*Prasidulus humerosus*, *Monistria*  
 a fairly young stand of *E. maculata*, *E.*  
*discrepans* (J.)  
*gummifera*, a stringybark, & *Angophora*  
*costata*, maximum height 45 ft. Uniform  
 stand of several grasses, incl. *Themeda*  
 to 1 ft. with some space between.

757.4. Karruah.

767.0. Road off to right to Glen celes.

768.7. Slight rise, with pale grey soil.  
*Prasidulus humerosus*  
*E. gummifera*, a stringybark, *Angophora*  
*costata* to 60 ft, *Casuarina littoralis*  
 to 20 ft, *Banksia spinulosa* to 3 ft,  
 aculeate *Lanthonora* to 2 ft,  
 grass abundant. Slender, not *Themeda*  
*Prasidulus 'medicinalis'* (change  
 name?) present in unchanged forest,  
 but less abundant than at 737.5.

770.8. Road off to Williamstown on  
 left.

4/3.

772.7. Junction of Pacific & New England  
 highways at Hecla.



815.2 Turned off Pacific Highway, for  
Redhead.

819.2 Hilly. Grey brown soil. *Argophora*  
*Proscibulus excelsus* var. *lonica*  
*costata*, *Ch. a* stringy bark, & *Egumma* var.  
*australasicae*  
all to 60 ft. *Casuarina* sp. to 30 ft or more.  
*Banksia spinulosa* to 3 ft, *Themeda*  
*australis* to 3 ft, some *Imperata* &  
forbs, occ. *Xanthorrhoea* (cauliculent).

821.6. Redhead.

826.4. Turned left into Pacific Highway.

828.0. Belmont.

835.1. Swansea.

837.1. Hilly. *Argophora costata*, a  
*Proscibulus excelsus*  
stringy bark & a grey gum to 60 ft, with  
*Casuarina littoralis* to 20 ft & more.

*Xanthorrhoea*. *Themeda australis*  
1-2 ft dense & more open some  
*Imperata*, some *Hardenbergia*.

839.2. Road off to left for Cavestonach

842.0. Road off to Catherine Hill Bay  
on left.

843.5 Road off to Roads Wharf on right.

846.8 Road off to mine camp on left

847.6 Road off to left.

849.4 Hilley. Summit of sandstone

*Proscihulus excavatus* (?)

rac. *Agophora costata*, *E. gunnifera*  
+ a stringybark, all mainly to 40-50  
ft. *Conosira spinulosa* + *C. oblongifolia*  
to 3 ft. *Hecia terminalis* to 3 ft. *Xantho-*  
*rhoea* (acauliscent), occ. *Persea* sp.,  
+ other shrubs. *Themeda australis* 1-2  
ft in patches, density various.

850.6 Road off to Savandaban on right

858.6 Doyleston

875.0 Wuyong.

[Notes: From Wuyong north stops  
were made at an average of every  
20 km, dictated by the occurrence of  
what appeared to be the most likely  
spots for *Proscihulus*. In general,  
only *Proscihulus* was collected. Field  
notes were made only if it was

or of other Acridoidea were taken. In the light of earlier evidence of months of occurrence, there is no reason to suppose that failure to find *Prasiliulus* had anything to do with the date of the survey. It is likely, however, that habitat modification, particularly tall dense introduced grasses & forbs, could have been a factor, eg. between Newcastle & Branxton. A more coastal route may have revealed the genus between Port Macquarie & Port Stephens.